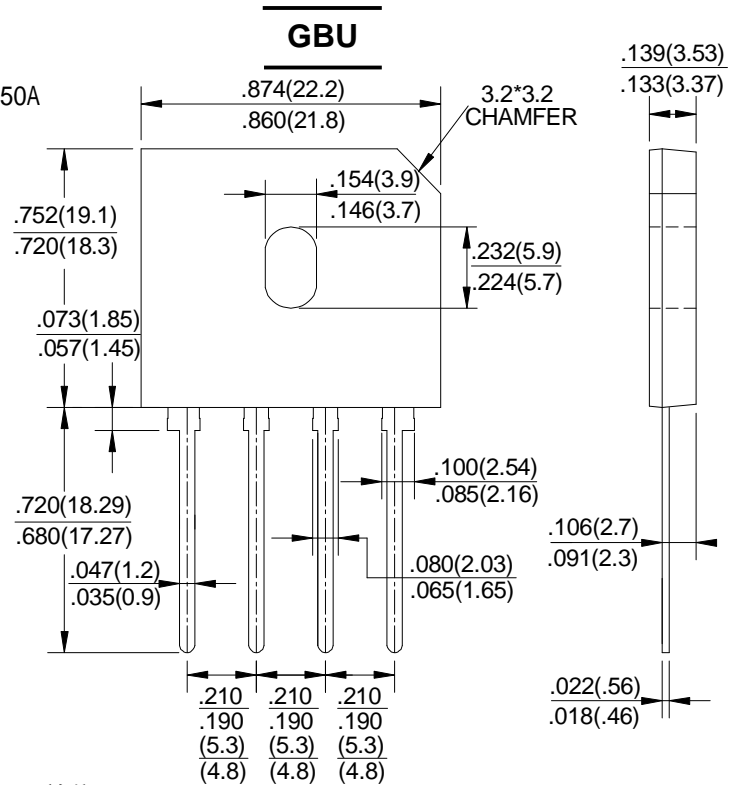


玻璃钝化桥式整流器

反向电压 REVERSE VOLTAGE - 50 to 1000Volts
正向电流 FORWARD CURRENT - 10/15/25 Amperes

FEATURES 特征

- Surge overload rating -220~350 amperes peak 过载浪涌220~350A
- Ideal for printed circuit board 适用于PCB板
- Reliable low cost construction utilizing molded plastic technique 低沉本结构
- Mounting position: Any 贴片位置：任意



单位：mm Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS 最值和电子特性

Rating at 25°C ambient temperature unless otherwise specified. TA = 25°C 除非另有规定。

Single phase, half wave ,60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

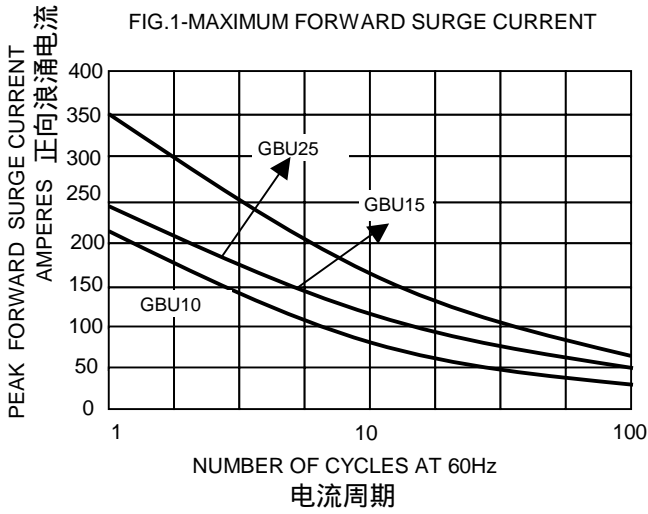
CHARACTERISTICS	SYMBOL	GBU 10005	GBU 1001	GBU 1002	GBU 1004	GBU 1006	GBU 1008	GBU 1010	UNIT	
		15005	1501	1502	1504	1506	1508	1510		
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V	
Maximum RMS Voltage	VRMS	30	70	140	280	420	560	700	V	
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V	
Maximum Average Forward (with heatsink Note 2) Rectified Current @ Tc=100°C (without heatsink)	IAV	GBU 10	10 3.0	GBU 15	15 3.2	GBU 25	25 4.2		A	
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	IFSM	GBU 10	220	GBU 15	240	GBU 25	350		A	
Maximum Forward Voltage at 5.0/7.5/12.5A DC	VF	1.1								V
Maximum DC Reverse Current @ Tj=25°C at Rated DC Blocking Voltage @ Tj=125°C	IR	10.0 500								uA
I ² t Rating for Fusing (t<8.3ms)	I ² t	200								A ² s
Typical Junction Capacitance Per Element (Note1)	CJ	70								pF
Typical Thermal Resistance (Note2)	RθJC	2.2								°C/W
Operating Temperature Range	TJ	-55 to +150								°C
Storage Temperature Range	TSTG	-55 to +150								°C

NOTES: 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.
2.Device mounted on 100mm*100mm*1.6mm cu plate heatsink.

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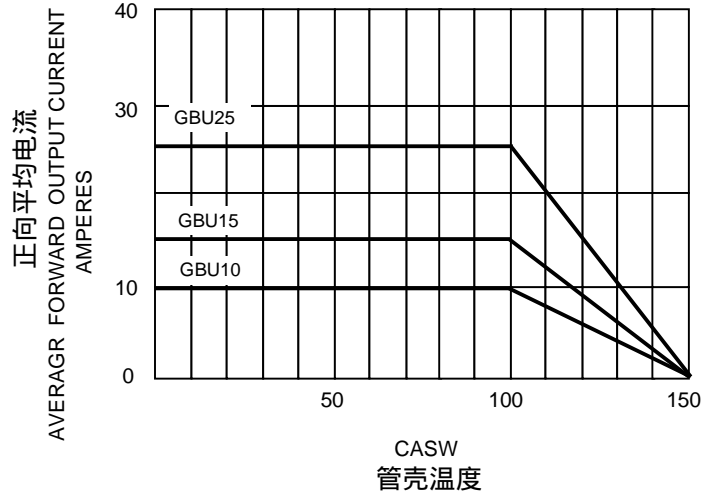
非重复性浪涌电流

FIG.1-MAXIMUM FORWARD SURGE CURRENT



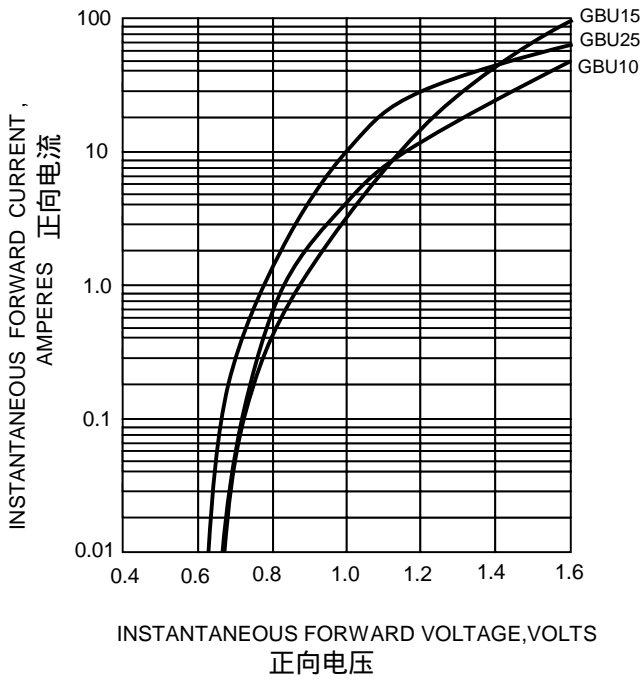
正向降额电流

FIG.2- DERATING CURVE
OUTPUT RECTIFIED CURRENT



正向特性

FIG.3-TYPICAL FORWARD
CHARACTERISTICS



反向特性

FIG.4-TYPICAL REVERSE
CHARACTERISTICS

